

## Engineer's Report

Date: January 4<sup>th</sup>, 2016  
Re: Current Project Status  
Harrisburg, South Dakota

To: Mayor and City Council  
From: Stockwell Engineers, Inc.

### **Project: Comprehensive Master Drainage Plan**

Description: Prepare drainage analysis for basins "Tiger", "Coyote" and "Honey Suckle".

Progress Report: LEGENDARY ESTATES BASIN – We have developed a plan to modify the home at 401 N. Perry. We have given the plan to 2 contractors and are waiting for quotes to come back. Heidi Condon met with the homeowner onsite and he wants to make the changes to prevent his basement from possible flooding.

TIGER BASIN – Stockwell has reached out to and spoken with all property owners within the drainage basin. Stockwell Engineers is currently integrating the grading plan for the park into the hydraulic model to reduce the size and impact of the stormwater detention facilities. A preliminary cost estimate should be completed in January.

COYOTE / HONEYSUCKLE BASIN – Existing conditions model developed.

### **Project: Water Tower**

Description: This project is to paint the existing water tower in the Industrial Park.

Progress Report: All contracts have been fully executed. A preconstruction meeting will be conducted prior to Maguire Iron commencing work.

### **Project: Update Design Standards**

Description: Review and update the current design standards and subdivision regulations.

Progress Report: Stockwell has submitted the final draft of the subdivision regulations to city staff. The design standards are being reviewed with city staff and are expected to be complete by the next council meeting.

### **Project: Central Park – Phase 1**

Description: The project includes the development of a concept plan for the park and design and construction of a grading and erosion control package.

Progress Report: The grading plan for the park area has been completed and is being analyzed to ensure it will meet drainage requirements. This project is being completed in conjunction with the Tiger Basin project since both areas will share in the detention/drainage for the area. Once the hydraulic model is complete for the park and Tiger Basin areas, cost estimates for the drainage facilities will be developed and submitted to the City.

**Project: Capital Improvements Plan**

**Description:** This project includes evaluating the current infrastructure, making recommendations for improvements and assisting in the development of a capital improvements plan.

**Progress Report:** Projects have been prioritized with city staff and were presented at the last meeting. Comments from the meeting will be incorporated into the final capital plan. A draft of the document is expected by the next council meeting.

**Project: Harvest Acres Addition Street Improvements**

**Description:** The project includes street repairs in Harvest Acres Addition south of Walnut Street. Two street in Greyhawk Addition have been added to the project; Greyhawk Court and Linden Avenue from Ash Grove Street south.

**Progress Report:** For Schedule A, which includes work in Harvest Acres (Columbia Street, Prairie Street, Tiger Street and Prairie Circle), all curb and gutter and asphalt patching is complete and final overlay over all the streets have been completed as well. Only minor punchlist items remain. For Schedule B, all water and sanitary sewer utilities have been installed and tested. All street grading, concrete curb and gutter, gravel installation and asphalt base course has been completed as well. Additional work at the City shop and parking lot at the City Park have also been completed as part of a contract change order. A final inspection will take place on the project later this week. All utility's and paving have been completed for Schedule A and B. All that remains is some soil preparation, seeding, fertilizing and mulching which will be completed next spring when weather permits.

**Project: Wastewater Treatment Facility Upgrade**

**Description:** The project includes Assisting with land acquisition for a future wastewater treatment facility.

**Progress Report:** Two land owners have expressed interest in the possibility of selling land for the utilization of an expanded treatment system for Harrisburg. This process has been slow since the one of the land owners is a farmer in the area and wanted to be done with the harvest and fall field work prior to sitting down with City staff. Now that the weather has changed, I anticipate the discussion to continue.

Once we have two or preferably three parcels to pursue, we would proceed with a purchase agreement contingent upon due diligence. Each parcel will have varying concerns that will be identified early in the process to ensure the site is worthy of the proposed use.

**Project: SD Highway 115 Water Main Project**

Description: This project consists of design, preparation of plans, and providing construction administration for water main improvements on SD highway 115 272<sup>nd</sup> Street to Willow Street.

Progress Report: We have topographic information and have begun the design process. The construction documents will be prepared in compliance with SDDOT format and will be bid in conjunction with their bid letting process. The estimated bid date is June or July of 2016 with construction to be completed by year end 2017.

North Lincoln County Rural Water and Harrisburg staff will investigate a shared use line.